

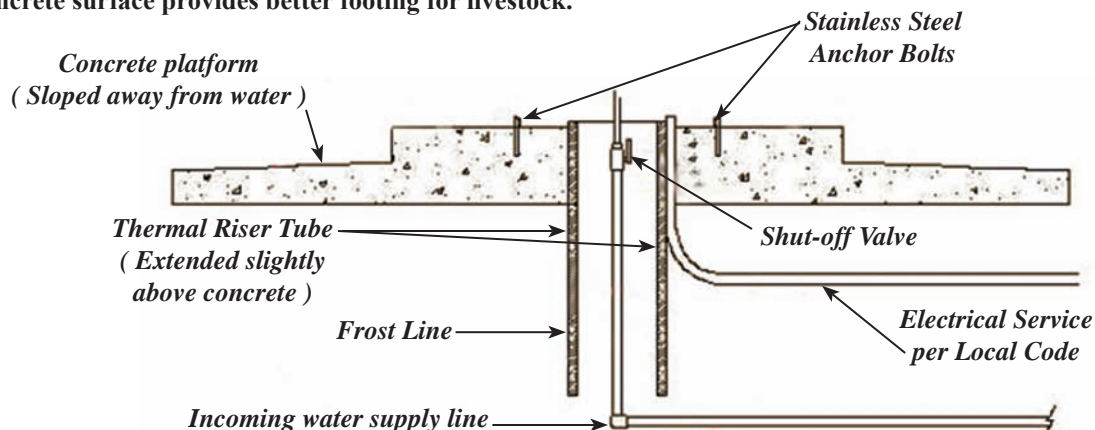


## TROJAN SPECIALTY PRODUCTS

# INSTALLATION INSTRUCTIONS THERMAL TUBES

**Location** - Putting the waterer in a location that offers protection from the wind will enhance the performance of the fountain. Livestock will tend to gather in this protected area, enticing them to drink more. Access panel should be opposite of prevailing winter wind to give additional protection to the supply line.

- 1. Water Supply Line** - Horizontal underground water line should be sized to account for pressure drop, relating to distance, and placed well below frost line. A one-inch vertical supply pipe is recommended. A shut-off valve should be installed under fountain to allow for easier servicing. For optimum service ability, a stop and waste valve can be installed in the supply line to shut off water if servicing. Vertical supply line must be centered in riser tube to provide an air space between the line and frozen ground outside of tube. Flush water supply line thoroughly before connecting to fountain. Water supplies with foreign material such as sand, rust, etc. may require a filter to keep water supply clean.
- 2. Riser Tube** - A minimum 6" diameter riser tube should be installed and extended at least one foot below frost line or down to the horizontal underground water line. For optimum water line protection, use the 11 1/2" diameter insulated Thermal Tube Part #16417 -2' top section, Part #16612 -4' top section, Part # 18158- 1' top section and Part #16416-2' extensions. Tube opening must be kept clear. Do not surround supply line with insulation, wood or any foreign material. Any-foreign material in the tube may cause frost to migrate to supply line causing supply line freezing.
- 3. Mounting Platform** - A 4" thick and 3' square concrete platform is recommended. The concrete platform should slope away from the fountain for drainage of surface water. A rough broom finish to concrete surface provides better footing for livestock.



### WARRANTY FOR TROJAN SPECIALTY PRODUCTS

TROJAN SPECIALTY PRODUCTS warrants product to be free of defective materials and workmanship. Defective part(s) will be repaired or replaced, at the option of TROJAN SPECIALTY PRODUCTS. This warranty specifically excludes all labor and shipping charges.

This warranty does not apply to any appearance items, to any product whose exterior has been damaged or defaced, to any product subjected to misuse, abnormal service or handling, and to any products altered or repaired with other than original equipment manufacturers parts. The period of warranty begins at original date of purchase and extends for one year.

All warranty claims must be processed thru TROJAN SPECIALTY PRODUCTS.

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